

**TempShield®
Scald Protection
Products**



Get comprehensive scald protection from Chicago Faucets.

Scald burns from faucets and showers can happen to anyone, but especially young children, older adults and people with disabilities.



TempShield

The products in this brochure feature TempShield, built-in anti-scald technology available exclusively from Chicago Faucets. All were designed and rigorously tested to meet the latest codes for your lavatory and shower projects. Built-in scald protection means:

- Quicker installation and lower installation cost
- Fewer potential leak points
- No chance that an anti-scald device will be left out of the installation



**CHICAGO
FAUCETS** 

a Geberit company

Overview of the ASSE standards for lavatory and shower products.

This information is provided as a convenient quick reference. To make sure your installation is fully compliant, always check the local and state codes in your area.



ASSE 1070 For Faucets

This standard covers devices intended to limit the hot or tempered water temperature supplied to lavatories:

- Valves must be thermostatic
- Valves must provide scald protection at the rated flow rate of the fixture
- Faucets can have an integrated thermostatic design or water can be tempered using an add-on valve
- The valve must be set to deliver a maximum water temperature of 120°F or less
- For non-adjustable water temperature fixtures the outlet temperature must be 110°F or less

ASSE 1016 For Tubs/showers

This standard covers tub and shower fixtures that are adjusted and controlled by the user:


- Valves can be balanced-pressure, thermostatic, or combination balanced-pressure/thermostatic
- In-line thermostatic valves can not be utilized for to meet this standard
- Valves must provide scald and thermal shock protection for the rated flow rate of the installed shower head
- The valve must limit the maximum setting to 120°F
- The valve must also have a maximum temperature limit stop set prior to occupancy
- The limit stop must be checked and adjusted seasonally to reflect changes in cold water temperature

Only Chicago Faucets offers a complete line of

420-T Series with Integrated ASSE 1070 Compliant Thermostatic Protection

- All-in-one thermostatic solution for commercial installations
- Integrated scald protection eliminates the need for separate thermostatic valve
- Solid brass construction, high quality ceramic cartridge, and vandal proof design deliver unmatched durability and reliability



Handle	Cartridge		Vandal Proof Outlet	Flow Rate GPM (LPM)	Model Number
Single Lever	Ceramic	•	•	0.35 (1.5)	420-T45E39VPABCP
		•	-	0.5 (1.9)	420-T45E2805ABCP
		•	-	1.0 (3.8)	420-T45E74ABCP
		•	-	1.5 (5.7)	420-T45ABCP

Thermostatic/Pressure Balance Tub and Shower Valves

- Meets the ASSE 1016 standard for fixtures that are adjusted and controlled by the user
- Monitors both the water temperature and pressure
- Available with multiple tub and shower combinations



Description	Model Number
Thermostatic/pressure balancing tub and shower valve with trim	1905-VOCCP
Thermostatic/pressure balancing tub and shower valve only	1905-VONF



Description	Model Number
Thermostatic/pressure balancing shower valve with trim, Quatern cartridge	2500-VOCCP
Thermostatic/pressure balancing shower valve with trim, ceramic cartridge	2500-VOCXKCP

Pressure Balance Tub and Shower Valves

- Meets the ASSE 1016 standard for fixtures that are adjusted and controlled by the user
- Monitors fluctuations in water pressure
- Available with multiple tub and shower combinations, diverter, hand shower and slide bars



Description	Model Number
Thermostatic/pressure balancing tub and shower valve with trim	SH-PB1-00-000
Thermostatic/pressure balancing tub and shower valve only	1910-VONF

Visit chicagofaucets.com for complete details on these and our other products.

products with integrated scald protection.

EQ Series with Integrated ASSE 1070 Compliant Thermostatic Valve

- All-in-one thermostatic solution for commercial restrooms
- Integrated scald protection eliminates the need for separate thermostatic valve
- User adjustable temperature control models available



Power Supply	Water Temperature Control		Vandal Proof Outlet	Flow Rate GPM (LPM)	Model Number
AC	Thermostatic	•	•	0.5 (1.9)	EQ-A11A-33ABCP
	User Controlled Thermostatic				EQ-A21A-35ABCP
DC	Thermostatic	•	•	0.5 (1.9)	EQ-A11A-13ABCP
	User Controlled Thermostatic				EQ-A21A-15ABCP
SSPS	Thermostatic	•	•	0.35 (1.3)	EQ-A11C-23ABCP
	User Controlled Thermostatic				EQ-A21C-25ABCP



Power Supply	Water Temperature Control		Vandal Proof Outlet	Flow Rate GPM (LPM)	Model Number
AC	Thermostatic	•	•	0.5 (1.9)	EQ-A12A-33ABCP
	User Controlled Thermostatic				EQ-A22A-35ABCP
DC	Thermostatic	•	•	0.5 (1.9)	EQ-A12A-13ABCP
	User Controlled Thermostatic				EQ-A22A-15ABCP
SSPS	Thermostatic	•	•	0.35 (1.3)	EQ-A12C-23ABCP
	User Controlled Thermostatic				EQ-A22C-25ABCP



Power Supply	Water Temperature Control		Vandal Proof Outlet	Flow Rate GPM (LPM)	Model Number
AC	Thermostatic	•	•	0.5 (1.9)	EQ-B11A-33ABCP
DC	Thermostatic	•	•	0.5 (1.9)	EQ-B11A-13ABCP
SSPS	Thermostatic	•	•	0.35 (1.3)	EQ-B11C-23ABCP



Power Supply	Water Temperature Control		Vandal Proof Outlet	Flow Rate GPM (LPM)	Model Number
AC	Thermostatic	•	•	0.5 (1.9)	EQ-B12A-33ABCP
DC	Thermostatic	•	•	0.5 (1.9)	EQ-B12A-13ABCP
SSPS	Thermostatic	•	•	0.35 (1.3)	EQ-B12C-23ABCP



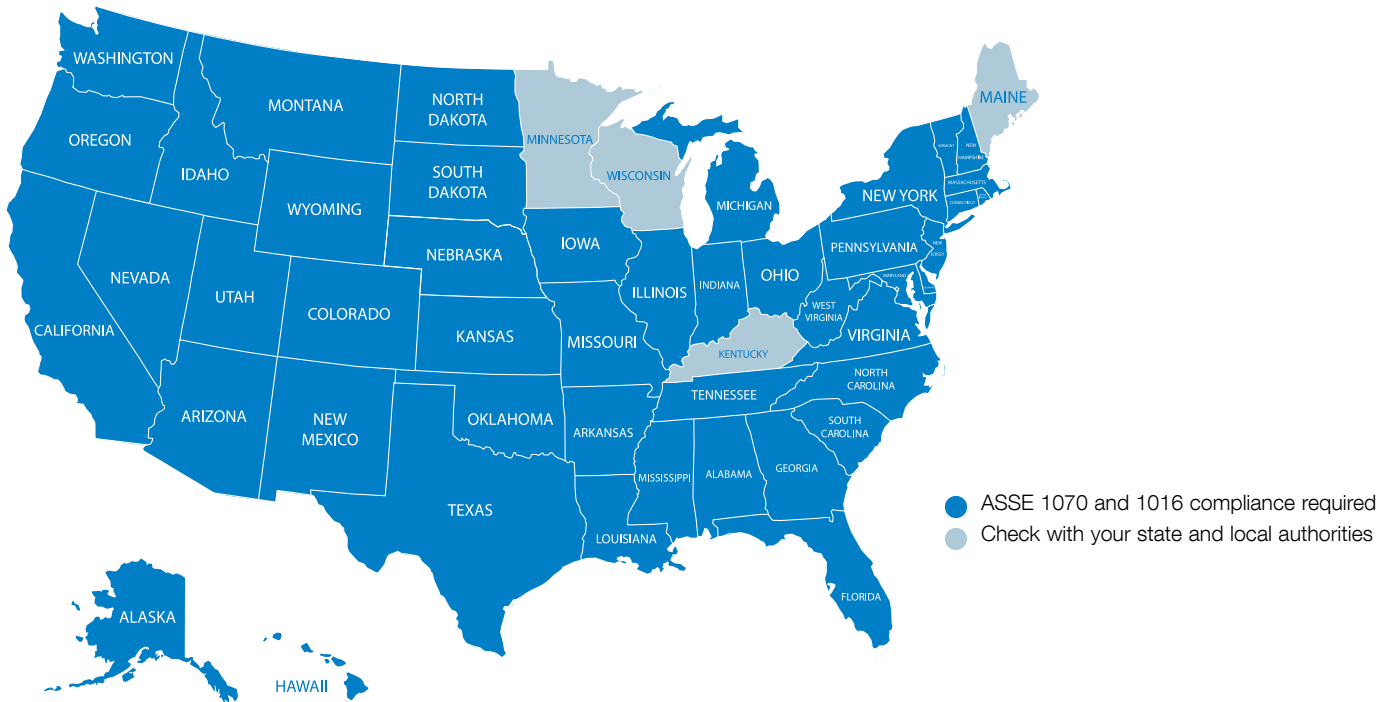
Power Supply	Water Temperature Control		Vandal Proof Outlet	Flow Rate GPM (LPM)	Model Number
AC	Thermostatic	•	•	0.5 (1.9)	EQ-C11A-33ABCP
	User Controlled Thermostatic				EQ-C21A-35ABCP
DC	Thermostatic	•	•	0.5 (1.9)	EQ-C11A-13ABCP
	User Controlled Thermostatic				EQ-C21A-15ABCP
SSPS	Thermostatic	•	•	0.35 (1.3)	EQ-C11C-23ABCP
	User Controlled Thermostatic				EQ-C21C-25ABCP



Power Supply	Water Temperature Control		Vandal Proof Outlet	Flow Rate GPM (LPM)	Model Number
AC	Thermostatic	•	•	0.5 (1.9)	EQ-C12A-33ABCP
	User Controlled Thermostatic				EQ-C22A-35ABCP
DC	Thermostatic	•	•	0.5 (1.9)	EQ-C12A-13ABCP
	User Controlled Thermostatic				EQ-C22A-15ABCP
SSPS	Thermostatic	•	•	0.35 (1.3)	EQ-C12C-23ABCP
	User Controlled Thermostatic				EQ-C22C-25ABCP

Scald Protection Building Codes

The majority of states have adopted the International Plumbing Code (IPC), Uniform Plumbing Code (UPC), or National Standard Plumbing Code (NSPC). These codes require ASSE 1070 and ASSE 1016 compliance to provide scald protection in commercial building projects.



Add-On Thermostatic Mixing Valves

- Use to make any manual or electronic faucet ASSE 1070 compliant
- New valve with integrated thermal flush option provides added safety to any healthcare application



Description	Model Number
Thermostatic mixing valve for 3-port for single supply	131-ABNF
Thermostatic mixing valve for 4-port for single supply	131-CABNF



Description	Model Number
Thermostatic valve with integrated thermal flush option, 3-port for single supply	131-FMAB
Thermostatic valve with integrated thermal flush option, 4-port for single supply	131-CFMAB



Description	Model Number
Thermostatic valve with integrated thermal flush option, 3-port for single supply	122-ABNF



We are a member of the U.S. Green Building Council and support the Leadership in Energy and Environmental Design (LEED) Green Building Rating System™, to measure the efficiency and sustainability of buildings in the U.S. and Canada. If you are trying to achieve LEED Certification for your building, our low-flow outlets, metering cartridges, and sensor-operated faucets can contribute points in these areas: Water Efficiency Credit 2: Innovative Wastewater Technologies and Water Efficiency Credit 3: Water Use Reduction



We are proud to be a partner with WaterSense®, sponsored by the EPA and designed to protect the future of our nation's water supply by promoting efficiency and enhancing the market for water efficient products, programs, and practices.



We are a charter sponsor of the Alliance for Water Efficiency, a non-profit organization that is dedicated to the efficient and sustainable use of water. It brings together a diverse range of stakeholders to advocate water efficiency and conservation.



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Chicago Faucets, a member of the Geberit Group, is the leading brand of commercial faucets and fittings in the United States, offering a complete range of products for schools, laboratories, hospitals, office buildings, food service, airports, and sports facilities. Whatever your requirements may be, Chicago Faucets offers standard and made-to-order products that are designed to meet any commercial application.

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